Example OpenRTB bid request 1.

Source: "Sample bid requests: display mobile web request, OpenRTB 2.5", in Configuring an Exchange Bidding Integration, Google Authorized Buyers (URL: https://developers.google.com/authorized-buyers/rtb/exchange-bidding).

```
id: "BIDREQUEST_ID"
imp {
  id: "1"
  banner
    w: 728
   h: 90
    pos: BELOW_THE_FOLD
    expdir: LEFT
    expdir: RIGHT
    expdir: UP
    expdir: DOWN
    format {
      w: 728
      h: 90
  tagid: "TAG_ID"
  bidfloor: 0.61
  bidfloorcur: "USD"
  secure: true
  metric +
    type: "click_through_rate"
    value: 0
    vendor: "EXCHANGE"
  metric -
    type: "viewability"
    value: 0
    vendor: "EXCHANGE"
  metric +
    type: "session_depth"
    value: 86
    vendor: "EXCHANGE"
  [com.google.doubleclick.imp] {
    billing id: "BILLING ID"
    dfp_ad_unit_code: "/DFP_NETWORK_CODE/AD/UNIT/
PATH"
    ampad: AMP_AD_ALLOWED_AND_NOT_EARLY_RENDERED
site {

    What this specific person is reading right now

 page: "PAGE_URL"
  publisher {
    id: "SELLER NETWORK ID"
    [com.google.doubleclick.publisher] {
      country: "GB"
  content {
    contentrating "DV-G"
    language "en"
  mobile: true
```

```
[com.google.doubleclick.site] {
   amp: DIALECT_HTML
 ua: "Mozilla/5.0 (Linux; Android 4.4.4; SM-T560
                                                           Distinctive information about this specific person's device
Build/KTU84P) AppleWebKit/537.36 (KHTML, like
Gecko) Chrome/63.0.3239.111 Safari/537.36"
                                                              This specific person's IP address
 ip: "IP_ADDRESS"
  geo {
   lat: 42.6495361328125
                                                          This specific person's GPS coordinates
   lon: 23.35913848876953
   country: "BGR"
   city: "Sofia"
   utcoffset: 120
  make: "samsung"
  model: "sm-t560"
  os: "android"
  osv: "4.4.4"
  devicetype: TABLET
  w: 1280
 h: 800
  pxratio: 1
  id: "GOOGLE_USER_ID"
  buyeruid: "HOSTED_MATCH_USER_DATA"
                                                      Various ID codes identifying this specific person, facilitating re-identification and tying to existing profiles
  customdata: "HOSTED_MATCH_USER_DATA"
  data {
   id: "DetectedVerticals"
   name: "DoubleClick"
   segment {
     id: "5444"
     value: "0.3"
   segment {
     id: "1080"
     value: "0.2"
                               This specific person's inferred interests. This could include highly sensitive
    segment {
                               special category data such as 571 eating disorders, 410 left-wing politics,
     id: "1710"
                               202 male impotence, 862 Buddhism, 625 AIDS & HIV, 547 African-
     value: "0.1"
                               Americans, etc. See Goolge's "publisher verticals" list.
   segment {
     id: "1715"
     value: "0"
    segment {
     id: "96"
     value: "0"
tmax: 162
cur: "USD"
```

Example OpenRTB bid request 2.

Source: "Sample bid requests: display mobile app request, OpenRTB 2.5", in Configuring an Exchange Bidding Integration, Google Authorized Buyers (URL: https://developers.google.com/authorized-buyers/rtb/exchange-bidding).

```
"id": "BIDREQUEST ID",
 "imp": [
      "id": "1",
      "banner": {
        "w": 320,
        "h": 50,
        "pos": 1,
        "expdir": [
          2,
          3,
        "api": [
          3,
          5
        "format": [
            "w": 320,
            "h": 50
            "w": 300,
            "h": 50
      "tagid": "TAG_ID",
      "bidfloor": 0.01,
      "bidfloorcur": "USD",
      "secure": 1,
      "metric": [
          "type": "viewability",
          "value": 0.8,
          "vendor": "EXCHANGE"
          "type": "session_depth",
          "value": 47,
          "vendor": "EXCHANGE"
       "ext": {
        "billing_id": [
          "BILLING_ID"
        "dfp_ad_unit_code": "/DFP_NETWORK CODE/AD/
UNIT/PATH",
         "ampad": 2
                           —— The app this specific person is using right now
    "name": "APP_NAME",
      "IAB5"
    "bundle": "BUNDLE_ID",
    "storeurl": "STORE URL",
    "publisher": {
      "id": "SELLER_NETWORK_ID",
      "ext": {
```

```
"country": "US"
     "content": {
      "url": "APP STORE URL",
      "contentrating": "DV-G",
      "language": "es"
  "device":
    "ua": "Mozilla/5.0 (iPhone; CPU iPhone OS 11_4
                                                        Distinctive information about this specific person's device
like Mac OS X) AppleWebKit/605.1.15 (KHTML, like
Gecko) Mobile/15F79"
    "ip": "IP ADDRESS",
                                                          This specific person's IP address
     geo": {
      "lat": 14.871365547180176,
                                                             This specific person's GPS coordinates
      "lon": -91.48915100097656,
      "country": "GTM",
      "utcoffset": -360
    },
    "make": "apple",
    "model": "iphone",
    "os": "iOS",
    "osv": "11.4",
    "devicetype": 4,
    "ifa": "IDENTIFIER FOR ADVERTISERS",
                                                       Distinctive information about this specific person's device
    "hwv": "7",
    "w": 375,
    "h": 667,
    "pxratio": 2
  "user": {
                                       Google ID of this specific person
    "id": "GOOGLE_USER_ID",
    "data": [
        "id": "DetectedVerticals",
        "name": "DoubleClick",
        "segment": [
            "id": "1265",
            "value": "0.3"
                                                               This specific person's inferred interests. This could
                                                                include highly sensitive special category data such as 571
                                                                eating disorders, 410 left-wing politics, 202 male
            "id": "692",
            "value": "0.3"
                                                                impotence, 862 Buddhism, 625 AIDS & HIV, 547 African-
                                                               Americans, etc. See Goolge's "publisher verticals" list.
            "id": "1462",
            "value": "0.3"
  "tmax": 162,
  "cur": [
    "USD"
```

Example OpenRTB bid request 3.

Source: "Sample bid requests: video desktop web request, OpenRTB 2.5", in Configuring an Exchange Bidding Integration, Google Authorized Buyers (URL: https://developers.google.com/authorized-buyers/rtb/exchange-bidding).

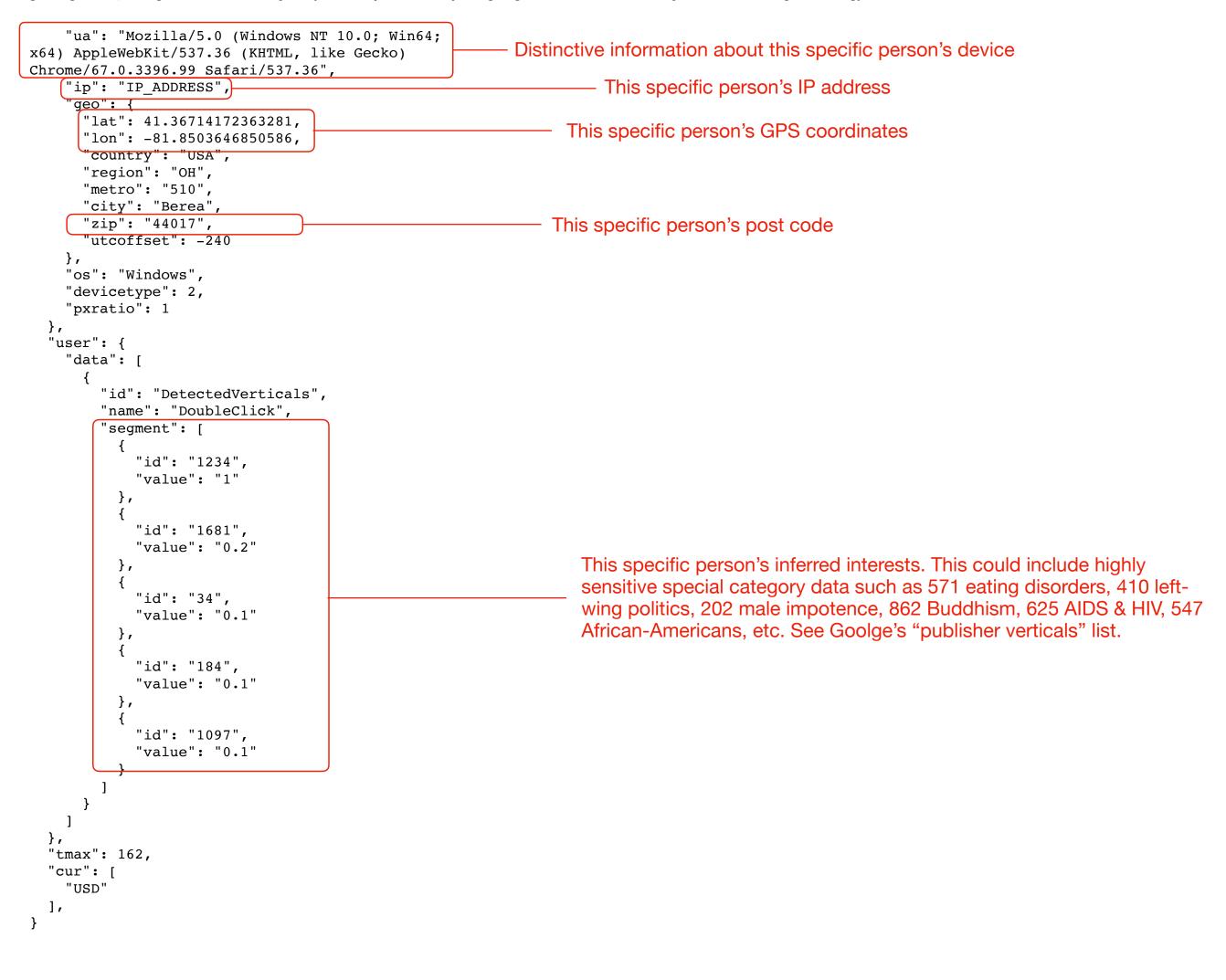
```
},
"id": "BIDREQUEST ID",
                                                                                                                                                                                               "id": "353",
                                                                                                  "type": "session_depth",
                                                                                                                                                                                               "value": "0.8"
"imp": |
                                                                                                  "value": 33,
                                                                                                  "vendor": "EXCHANGE"
   "id": "1",
                                                                                                                                                                                               "id": "1534",
   "video": {
     "mimes": [
                                                                                                                                                                                               "value": "0.1"
                                                                                               "ext": {
                                                                                                                                                                                                                               This specific person's inferred
       "application/javascript",
                                                                                                "billing_id": [
                                                                                                                                                                                                                               interests (continued)
        "video/mp4"
                                                                                                  "BILLING_IG"
                                                                                                                                                                                               "id": "1533",
     "linearity": 1,
                                                                                                 "dfp_ad_unit_code": "/DFP_NETWORK CODE/AD/
                                                                                                                                                                                               "value": "0.1"
     "maxduration": 32,
                                                                                        UNIT/CODE/",
     "w": 400,
                                                                                                 "ampad": 2
     "h": 225,
                                                                                                                                                                                               "id": "1171",
                                                                                                                                                                                               "value": "0.1"
     "startdelay": 0,
     "playbackmethod": [
                                                                                          "site": {
                                                                                                                       - What this specific person is reading right now
                                                                                             "page": "PAGE URL",
     "pos": 1,
                                                                                             "publisher": {
                                                                                              "id": "SELLER NETWORK ID",
     "companionad": [
                                                                                              "ext": {
                                                                                                                                                                                     "tmax": 162,
          "w": 0,
                                                                                                "country": "US"
                                                                                                                                                                                     "cur": [
          "h": 0,
                                                                                                                                                                                       "USD"
          "mimes": [
            "image/gif",
                                                                                             "content": {
           "image/jpeg",
                                                                                              "contentrating": "DV-G",
            "image/png"
                                                                                              "producer": {
                                                                                                "domain": "PRODUCER DOMAIN"
                                                                                               "language": "en"
      "api": |
                                                                                             "ext": {
                                                                                              "amp": 0
      "companiontype": |
                                                                                            "ua": "Mozilla/5.0 (Windows NT 6.1; Win64;
                                                                                                                                                Distinctive information about this specific person's device
                                                                                        x64) AppleWebKit/537.36 (KHTML, like Gecko)
      "protocols": [
                                                                                        Chrome/67.0.3396.99 Safari/537.36",
       2,
                                                                                                                                                            This specific person's IP address
                                                                                             "ip": "IP_ADDRESS",
       3,
                                                                                             'geo": {
       5,
                                                                                               "lat": 27.430912017822266,
                                                                                                                                                        This specific person's GPS coordinates
                                                                                               "lon": -82.41561889648438,
     "skip": 1,
                                                                                               "country": "USA",
     "placement": 1
                                                                                              "region": "FL",
                                                                                               "metro": "539",
   "displaymanager": "GOOGLE",
                                                                                              "city": "Bradenton",
   "tagid": "TAG_ID",
                                                                                              "zip": "34202",
   "bidfloor": 0.01,
                                                                                              "utcoffset": -240
   "bidfloorcur": "USD",
                                                                                             "os": "Windows"
   "secure": 1,
   "metric": [
                                                                                            "devicetype": 2,
                                                                                            "pxratio": 1
        "type": "click_through_rate",
        "value": 0.03298969194293022,
        "vendor": "EXCHANGE"
                                                                                            "id": "GOOGLE USER ID",
                                                                                                                                                 Various ID codes that each this specific person, and can tie them to existing profiles
                                                                                             "buyeruid": "HOSTED MATCH USER DATA",
                                                                                            "customdata": "HOSTED MATCH USER DATA",
                                                                                           "data": [
        "type": "video_completion_rate",
        "value": 0.88453608751297,
        "vendor": "EXCHANGE"
                                                                                                "id": "DetectedVerticals",
                                                                                                "name": "DoubleClick",
                                                                                                "segment": [
                                                                                                                                       This specific person's inferred interests. This could include highly sensitive
        "type": "viewability",
                                                                                                                                       special category data such as 571 eating disorders, 410 left-wing politics,
                                                                                                    "id": "1071",
        "value": 0.2,
        "vendor": "EXCHANGE"
                                                                                                     "value": "0.3"
                                                                                                                                       202 male impotence, 862 Buddhism, 625 AIDS & HIV, 547 African-
```

Americans, etc. See Goolge's "publisher verticals" list.

Example OpenRTB bid request 4.

Source: "Sample bid requests: desktop display web request, OpenRTB 2.5", in Configuring an Exchange Bidding Integration, Google Authorized Buyers (URL: https://developers.google.com/authorized-buyers/rtb/exchange-bidding).

```
"id": "BIDREQUEST_ID",
  "imp": [
      "id": "1",
      "banner": {
        "w": 728,
        "h": 90,
        "pos": 3,
        "expdir": [
          1,
          2,
         3,
        "format": [
            "w": 728,
            "h": 90
        ],
      "tagid": "TAG_ID",
      "bidfloor": 1.06,
      "bidfloorcur": "USD",
      "secure": 1,
      "metric": [
           "type": "click_through_rate",
          "value": 0.000010919653504970483,
          "vendor": "EXCHANGE"
          "type": "viewability",
          "value": 0.1,
           "vendor": "EXCHANGE"
       "ext": {
        "billing_id": [
          "BILLING ID"
        "dfp_ad_unit_code": "/DFP_NETWORK_CODE/AD/
UNIT/PATH",
        "ampad": 3
  "site":
                               - What this specific person is reading right now
    "page": "PAGE_URL",
     "publisher": {
      "id": "SELLER_NETWORK_ID",
      "ext": {
        "country": "US"
    "content": {
      "contentrating": "DV-PG",
      "language": "en"
    "ext": {
      "amp": 0
  "device": {
```



Example OpenRTB bid request 5.

Source: "Example bid request", in OpenRTB Integration, Google Authorized Buyers (URL: https://developers.google.com/authorized-buyers/rtb/openrtb-guide).

```
Distinctive information about this specific person's device (continued)
                                                                                              "pxratio": 2
  "id": "V+u4DAAI8CEKG+PVxAwrsA",
  "imp": [
                                                                                             "u<u>ser":</u> {
                                                                                              "id": "CAESEPfSJVjdc8Mx2U_Dd3fQqvM"
                                                                                                                                              Unique ID for this specific person
      "id": "1",
      "banner": {
                                                                                            "cur": [
        "w": 320,
                                                                                              "USD"
        "h": 480,
        "pos": 1,
        "api": [
          3,
        "wmax": 360,
        "hmax": 640,
        "wmin": 320,
        "hmin": 280
      "instl": 1,
      "tagid": "1",
      "bidfloor": 0.01,
      "bidfloorcur": "USD",
      "ext": {
        "billing_id": [
          "12345678901"
        "publisher_settings_list_id": [
          "12345678901234567890"
        "allowed_vendor_type": [
          113
   "app": {
    "name": "Super Speed VPN",
    "bundle": "com.example",
    "storeurl": "https://play.google.com/store/
apps/details?id=com.example",
    "publisher": {
      "id": "1"
    },
    "content": {
      "url": "https://play.google.com/store/apps/
details?id=com.example.free.vpn.proxy",
      "contentrating": "DV-G",
      "userrating": "4.2",
      "language": "en"
   "device": {
    "ua": "Mozilla/5.0...(Mobile; afma-sdk-a-
                                                        "User agent string", which contains distinctive information about this specific person's device
v9683236.8115000.2)",

    This specific person's IP address

    ("ip": "123.456.789.0",
     "geo": {
      "country": "FRA",
      "utcoffset": 180
    "make": "alcatel",
    "model": "5022d",
    "os": "android",
    "osv": "5.1",
                                                                Distinctive information about this specific person's device
     "devicetype": 4,
     "ifa": "ec162290-a098-43ac-9fac-411861ba2b1a",
    "w": 360,
```

"h": 640,

Example OpenRTB bid request 6.

Source: "Example video bid request", in OpenRTB Integration, Google Authorized Buyers (URL: https://developers.google.com/authorized-buyers/rtb/openrtb-guide).

```
"id": "WEejNwAL6doKG+LQcAQCnw",
 "imp": [
      "id": "1",
      "banner": {
        "w": 360,
        "h": 592,
        "pos": 1,
        "api": [
         3,
        "wmax": 360,
        "hmax": 592,
        "wmin": 250,
        "hmin": 250
      "video": {
        "mimes": [
          "video/mp4",
          "video/webm",
          "video/x-flv"
        "maxduration": 10,
        "w": 360,
        "h": 592,
        "startdelay": 0,
        "playbackmethod": [
        "pos": 1,
        "api": [
         3,
         5
        "protocols": [
         3,
          5,
      "instl": 1,
      "tagid": "1",
      "bidfloor": 0.09,
      "bidfloorcur": "EUR",
      "ext": {
        "billing_id": [
          "12345"
        "publisher_settings_list_id": [
          "15984503506551632562"]
  "app": {
    "name": "AppMyApp",
    "bundle": "fr.android.myapp",
    "storeurl": "https://play.google.com/store/
apps/details?id=fr.android.myapp",
    "publisher": {
      "id": "1"
    },
    "content": {
```

```
"url": "https://play.google.com/store/apps/
details?id=fr.android.myapp",
      "contentrating": "DV-G",
      "userrating": "4.1",
      "language": "fr"
  "device": {
    "ua": "Mozilla/5.0...(Mobile; afma-sdk-a-
                                                       - Distinctive information about this specific person's device
v10084448.9452000.2)",
    "ip": "236.162.37.0",
                                                             This specific person's IP address
    "geo": {
      "country": "FRA",
      "region": "FR-D",
      "zip": "71150",
      "utcoffset": 60
    "make": "sony",
    "model": "e5633",
    "os": "android",
    "osv": "6.0",
    "devicetype": 4,
                                                               Distinctive information about this specific person's device
    "ifa": "6e552d9b-bf7f-43c8-85aa-9c0790007503",
    "w": 360,
    "h": 592,
    "pxratio": 3
  "user": {
                                                  Unique ID for this specific person
   "id": "userid",
    "data": [
        "id": "DetectedVerticals"
        "name": "DoubleClick",
        "segment": [
                                                                This specific person's inferred interests. This could include highly
                                                                sensitive special category data such as 571 eating disorders, 410 left-
            "id": "224",
                                                                wing politics, 202 male impotence, 862 Buddhism, 625 AIDS & HIV, 547
            "value": "0.5"
                                                                African-Americans, etc. See Goolge's "publisher verticals" list.
            "id": "1461",
            "value": "0.5"
  "cur": [
   "EUR"
  "bcat": [
   "IAB19-3"
```

Example OpenRTB bid request 7.

Source: "Example native bid request", in OpenRTB Integration, Google Authorized Buyers (URL: https://developers.google.com/authorized-buyers/rtb/openrtb-guide).

```
"id": "WEcgigALZ28KT74DlAEKdA",
"imp": [
    "id": "1",
    "tagid": "3654083237",
    "bidfloor": 0.75,
    "bidfloorcur": "USD",
    "native": {
     "request": "{\"ver\":\"1.0\"...\"style_width\":300}}",
      "ver": "1.0"
   },
    "ext": {
      "billing_id": [
       "1234567" ],
      "publisher_settings_list_id": [
       "17725875107190109537"],
      "allowed_vendor_type": [
       10,
       42 ]
"site": {
                                                                                          - What this individual person is reading right now
  "page": "https://www.example.com/story/30139/common-reasons-of-breakups",
  "publisher": {
   "id": "1234"
  "content": {
   "language": "en"
 },
  "mobile": 1
"device": {
  "ua": "Mozilla/5.0 .../en_US;FBOP/5]", Distinctive information about this specific person's device ("ip": "104.191.75.0", This specific person's IP address
  "geo": {
    "country": "USA",
    "region": "US-TX",
    "metro": "641",
    "city": "San Antonio",
   "zip": "78259",
    "utcoffset": -360
  "make": "apple",
  "model": "iphone",
  "os": "iOS",
  "osv": "10.2",
  "devicetype": 4,
                                   Distinctive information about this specific person's device
  "w": 375,
  "h": 667,
  "pxratio": 2
"user": {

    Unique ID for this specific person

  "id": "CAESEI5Z85FbBUR-qiEz000000"
"cur": [
 "USD"
```

Example OpenRTB bid request 8.

Source: "Sample bid requests: App Banner", in Process the request, Google Authorized Buyers (URL: https://developers.google.com/authorized-buyers/rtb/request-guide).

```
advertising id: "n\380\316:\038\239Kk\215\\
id:
"[\752\026\220\403\575\286\473\n\002x\373\068\020\
                                                                                        \357\011\021* \304"
                                                                                          app name: "Example App Name"
364\244"
                                                                                          app rating: 4.3381295
ip: "\123\456\789"
google user id: "LSMGIWPSG98PHkdfuQ8KetJ-NSI"
                                                  Google ID of this specific person
                                                                                          supports_deep_link_with_fallback: true
cookie version: 1
cookie age seconds: 7776000
                                                                                        publisher settings list id: 234703467093485467
                                                         Distinctive information about
user_agent: "Mozilla/5.0 (Linux; Android 7.1.1;
                                                                                        publisher type: GOOGLE REPRESENTED
CPH1729 Build/N6F26Q; wv) Version/4.0"
                                                        this specific person's device
                                                                                        adslot {
publisher country: "PK"
                                                                                          id: 1
geo_criteria_id: 1010216
                                                                                          ad_block_key: 1
timezone offset: 390
                                                                                          width: 320
publisher id: "pub-3450823458973402"
                                                                                          width: 360
seller_network_id: 1
                                                                                          height: 50
partner id: 22222222
                                                                                          height: 50
url: "https://play.google.com/store/apps/details?
                                                                                          excluded attribute: 22
id=com.sample.android"
                                                                                          excluded attribute: 34
detected language: "th"
                                                                                          excluded attribute: 27
detected vertical {
                                                                                          // ...
 id: 532
                                                                                          excluded attribute: 17
 weight: 0.25553104
                                                                                          excluded attribute: 19
                                                                                          excluded attribute: 20
                                                                                          allowed_vendor_type: 79
detected_vertical {
 id: 108
                                                                                          allowed vendor type: 138
 weight: 0.25553104
                                                                                          allowed vendor type: 144
                                                                                          // ...
                                    This specific person's inferred interests. This
detected vertical {
                                                                                          allowed_vendor_type: 828
                                    could include highly sensitive special category
 id: 1461
                                                                                          allowed_vendor_type: 4374
                                    data such as 571 eating disorders, 410 left-wing
 weight: 0.25553104
                                                                                          allowed_vendor_type: 4513
                                                                                          matching_ad_data {
                                    politics, 202 male impotence, 862 Buddhism, 625
                                                                                            billing id: 34589712304
detected vertical {
                                    AIDS & HIV. 547 African-Americans, etc. See
 id: 1109
                                                                                            billing id: 34010928357
                                    Goolge's "publisher verticals" list.
 weight: 0.13587193
                                                                                            minimum cpm micros: 10000
                                                                                          matching ad data {
detected_vertical {
 id: 1170
                                                                                            billing id: 90823842137
 weight: 0.09753494
                                                                                            minimum cpm micros: 10000
                                                                                            direct deal {
detected content label: 87
                                                                                              direct deal id: 549644393846601047
detected content label: 39
                                                                                              fixed cpm micros: 10000
google_query_id: "ABCDefg1234567890/aB="
                                                                                              deal_type: AUCTION_PACKAGE
device {
 device_type: HIGHEND_PHONE
 platform: "android"
                                                                                          publisher_settings_list_id: 234703467093485467
  brand: "oppo"
                                                                                          slot visibility: ABOVE THE FOLD
  model: "cph1729"
                                                                                          viewability: 70
 os_version {
                                                                                          click_through_rate: 0.0013543529
                                                                                          renderer: GOOGLE
    major: 7
                                           Distinctive information about this specific
                                                                                          is amp page: DIALECT HTML
    minor: 1
                                           person's device
                                                                                          amp_ad_requirement_type: AMP_AD_NOT_ALLOWED
    micro: 1
                                                                                          allowed ad types: ALLOWED AD TYPE BANNER
                                                                                          session depth: 1
 carrier id: 72160
 screen width: 360
                                                                                          api: MRAID 1
                                                                                          api: MRAID 2
 screen height: 672
                                                                                          api: OMID 1
 screen_pixel_ratio_millis: 2000
 screen orientation: PORTRAIT
                                                                                        response deadline ms: 122
mobile {
 is app: true
  app id: "com.example.android"
  app_category_ids: 60019
 app_category_ids: 60000
  app_category_ids: 69500
 encrypted_advertising_id: "[\340\333
\000\001<\286\nh\351\003\001\016\472\045\281Z\006\
                                                              Distinctive information about this specific person's device (recipient can decode this)
037\21"
```

Example OpenRTB bid request 9.

Source: "Sample bid requests: App Interstitial", in Process the request, Google Authorized Buyers (URL: https://developers.google.com/authorized-buyers/rtb/request-guide).

```
This specific person's inferred interests
                                                                                         detected content label: 39
id:
                                                                                                                                   (continued)
                                                                                        google_query_id: "ABCDefg1234567890/aB="
"[\752\026\220\403\575\286\473\n\002x\373\068\020\
364\244"
ip: "\123\456\789` `"
                                                                                           device_type: HIGHEND PHONE
                                                   Google ID of this specific person
                                                                                           platform: "android"
google user id: "LSMGIWPSG98PHkdfuQ8KetJ-NSI"
cookie version: 1
                                                                                           brand: "samsung"
                                                                                           model: "sm-s327v1"
cookie age seconds: 15552000
                                                         Distinctive information about
user_agent: "Mozilla/5.0 (Linux; Android 6.0.1;
                                                                                           os version {
SM-S327VL Build/MMB29M; wv) Version/4.0"
                                                         this specific person's device
                                                                                            major: 6
publisher country: "US"
                                                                                            minor: 0
                                                                                                                                       Distinctive information about this specific
geo criteria id: 1013137
                                                                                            micro: 1
                                                                                                                                       person's device
encrypted_hyperlocal_set:
"[\330\0106\000\6\210i\327\351:#\221\265\376n\"7}
                                                                                           carrier id: 0
`\223\215\213"
                                                                                           screen width: 360
hyperlocal set {
                                                                                           screen height: 640
                                                                                           screen pixel ratio millis: 2000
 hyperlocal {
    corners {
                                                                                           screen_orientation: PORTRAIT
      latitude: 31.779715
      longitude: -85.942696
                                                                                         mobile {
                                                                                           is app: true
                                                                                           app_id: "com.example.android"
    corners {
      latitude: 31.779715
                                                                                           is interstitial request: true
                                                                                           app_category_ids: 60031
      longitude: -85.928413
                                                         - This specific person's location
                                                                                           app_category_ids: 60008
                                                                                           app_category_ids: 60000
    corners {
      latitude: 31.791855
                                                                                           app_category_ids: 69500
                                                                                           encrypted_advertising id:
      longitude: -85.928413
                                                                                                                                                Distinctive information about
                                                                                         "[\330\0106\000\005\037\03\177\
                                                                                         \^\205y\010\221\332\363\365wp\324/\223"
                                                                                                                                                this specific person's device
    corners {
      latitude: 31.791855
                                                                                           advertising id: "\295p\021(\205HJ}\602\219[|
                                                                                                                                                (recipient can decode this)
      longitude: -85.942696
                                                                                         \205@M\029"
                                                                                           app name: "Example App Name
                                                                                           app rating: 4.4225764
    confidence: 1
                                                                                           supports deep link with fallback: true
  center_point {
                                                                                         publisher type: ADX PUBLISHER OWNED AND OPERATED
    latitude: 31.785786
                                                                                         adslot {
    longitude: -85.935555
                                                                                           id: 1
                                                                                           ad block key: 1
                                                                                           width: 320
timezone offset: -300
publisher id: "pub-3450923589486943"
                                                                                           width: 360
seller network id: 2309
                                                                                           height: 570
url: "https://play.google.com/store/apps/details?
                                                                                           height: 592
id=com.sample.android"
                                                                                           excluded_attribute: 22
detected language: "en"
                                                                                           excluded attribute: 21
detected vertical {
                                                                                           excluded attribute: 34
 id: 926
                                                                                           // ...
                                                                                           excluded attribute: 19
 weight: 0.29782212
                                                                                           excluded attribute: 20
                                                                                           excluded attribute: 70
detected vertical {
  id: 1461
                                                                                           allowed vendor type: 10
 weight: 0.29782212
                                                                                           allowed_vendor_type: 42
                                          This specific person's inferred interests.
                                                                                           allowed_vendor_type: 43
                                          This could include highly sensitive special
detected vertical {
                                                                                           // ...
 id: 105
                                                                                           allowed vendor type: 886
                                          category data such as 571 eating
 weight: 0.24140838
                                                                                           allowed_vendor_type: 888
                                          disorders, 410 left-wing politics, 202 male
                                                                                           allowed vendor type: 889
                                          impotence, 862 Buddhism, 625 AIDS &
                                                                                           excluded sensitive category: 19
detected_vertical {
                                          HIV, 547 African-Americans, etc. See
                                                                                           excluded sensitive category: 4
  id: 1173
  weight: 0.08253295
                                                                                           excluded_sensitive_category: 23
                                          Goolge's "publisher verticals" list.
                                                                                           // ...
detected vertical {
                                                                                           excluded sensitive category: 8
                                                                                           excluded sensitive category: 24
 id: 1109
 weight: 0.080414429
                                                                                           excluded sensitive category: 18
                                                                                           excluded product category: 10031
detected content label: 59
                                                                                           excluded product category: 10086
detected content label: 87
                                                                                           excluded_product_category: 10088
```

```
// ...
 excluded_product_category: 13423
 excluded product category: 13426
 excluded product category: 13525
 matching_ad_data {
    billing id: 34589712304
    minimum cpm micros: 1000000
    direct deal {
      direct deal id: 109283597182375038
      fixed cpm micros: 11000000
      deal_type: PREFERRED DEAL
      publisher blocks overridden: true
 publisher settings list id: 234703467093485467
 publisher settings list id: 239048937568472058
 slot visibility: ABOVE THE FOLD
 viewability: 80
  renderer: GOOGLE
 is_amp_page: DIALECT_HTML
  amp_ad_requirement_type: AMP_AD_NOT_ALLOWED
 allowed_ad_types: ALLOWED_AD_TYPE_BANNER
  session_depth: 6
 api: MRAID 1
 api: MRAID 2
 api: OMID 1
response_deadline ms: 122
```

Example OpenRTB bid request 10.

Source: "Sample bid requests: App Interstitial video", in Process the request, Google Authorized Buyers (URL: https://developers.google.com/authorized-buyers/rtb/request-guide).

```
id:
                                                                                          encrypted advertising id:
"[\752\026\220\403\575\286\473\n\002x\373\068\020\
                                                                                         "[\331GJ\000\008J\220\n*\136\435\701356a;
364\244"
                                                                                        \314\276\396\003*\102\306\010"
ip: "\123\456\789"
                                                                                          advertising id: "P\634\994\212(\0397C
google user id: "LSMGIWPSG98PHkdKetJ-NSI"
                                                   Google ID of this specific person
                                                                                        \008W\239\286\278S\114\797"
cookie version: 1
                                                                                          app_name: "Example App Name
cookie age seconds: 31104000
                                                                                          supports deep link with fallback: true
                                                         Distinctive information about
user_agent: "Mozilla/5.0 (iPhone; CPU iPhone OS
12 0 like Mac OS X) Mobile/16A366"
                                                        this specific person's device
                                                                                        video {
publisher country: "FR"
                                                                                          placement: INTERSTITIAL
                                                                                          playback method: CLICK_TO_PLAY
geo criteria id: 9061365
                                                                                          is clickable: true
timezone offset: 480
publisher id: "pub-2359083496729834"
                                                                                          videoad start delay: 0
seller network id: 1
                                                                                          max_ad_duration: 60000
partner id: 247939003805104532
                                                                                          video ad skippable: ALLOW SKIPPABLE
url: "https://itunes.apple.com/app/id1423046460"
                                                                                          protocols: VAST 2 0
detected_language: "zh_CN"
                                                                                          protocols: VAST 3 0
detected vertical {
                                                                                          protocols: VAST 2 0 WRAPPER
 id: 926
                                                                                          protocols: VAST 3 0 WRAPPER
 weight: 0.30560419
                                                                                          allowed_video_formats: VIDEO_MP4
                                                                                          end cap support: END CAP OPTIONAL
detected vertical {
 id: 1462
                                                                                        publisher_settings_list_id: 234703467093485467
 weight: 0.30560419
                                                                                        publisher type: GOOGLE REPRESENTED
                                         This specific person's inferred interests.
                                                                                        adslot {
detected vertical {
                                                                                          id: 1
                                         This could include highly sensitive special
                                                                                          ad block key: 1
 id: 935
                                         category data such as 571 eating
 weight: 0.30560419
                                                                                          width: 414
                                         disorders, 410 left-wing politics, 202 male
                                                                                          width: 375
                                                                                          height: 736
detected vertical {
                                         impotence, 862 Buddhism, 625 AIDS &
 id: 933
                                                                                          height: 667
                                         HIV. 547 African-Americans, etc. See
 weight: 0.041680388
                                                                                          excluded attribute: 114
                                         Goolge's "publisher verticals" list.
                                                                                          excluded attribute: 21
                                                                                          excluded attribute: 34
detected vertical {
 id: 622
                                                                                          // ...
 weight: 0.041507009
                                                                                          excluded attribute: 19
                                                                                          excluded attribute: 70
detected content label: 59
                                                                                          excluded attribute: 21
detected content label: 87
                                                                                          allowed vendor type: 79
detected content label: 41
                                                                                          allowed_vendor_type: 138
google_query_id: "ABCDefg1234567890/aB="
                                                                                          allowed_vendor_type: 144
device {
                                                                                          // ...
                                                                                          allowed vendor type: 828
 device type: HIGHEND PHONE
  platform: "iphone"
                                                                                          allowed vendor type: 4374
  brand: "apple"
                                                                                          allowed vendor type: 4513
  model: "iphone"
                                                                                          matching ad data {
                                                                                            billing_id: 34589712304
 os_version {
    major: 12
                                                                                            minimum_cpm_micros: 90000
    minor: 0
                                           Distinctive information about this specific
                                                                                          slot visibility: ABOVE THE FOLD
                                           person's device
 carrier_id: 70121
                                                                                          viewability: 90
  screen width: 414
                                                                                          click through rate: 0.10483477
                                                                                          video completion rate: 0.58322155
 screen height: 736
                                                                                          renderer: GOOGLE
  screen pixel ratio millis: 3000
  screen orientation: PORTRAIT
                                                                                          is_amp_page: DIALECT_HTML
 hardware version: "iphone 7+"
                                                                                          amp_ad_requirement_type: AMP_AD_NOT_ALLOWED
                                                                                          is rewarded: true
                                                                                          allowed_ad_types: ALLOWED_AD_TYPE_VIDEO
mobile {
 is_app: true
                                                                                          session_depth: 1
  app_id: "2394084589"
                                                                                          api: MRAID_1
                                                                                          api: MRAID 2
  is_interstitial_request: true
  app_category_ids: 60506
  app category ids: 60524
                                                                                        response_deadline_ms: 12
  app_category_ids: 60500
 app_category_ids: 69500
```

Distinctive information about this specific person's device (recipient can decode this)

Example OpenRTB bid request 11.

Source: "Sample bid requests: App Native", in Process the request, Google Authorized Buyers (URL: https://developers.google.com/authorized-buyers/rtb/request-guide).

```
id:
"[\752\026\220\403\575\286\473\n\002x\373\068\020\
364\244"
ip: "\123\456\789"
google user id: "LSMGIWPSG98PHkdfuQ8KetJ-NSI"
                                                   Google ID of this specific person
cookie version: 1
cookie age seconds: 864000
                                                         Distinctive information about
user_agent: "Mozilla/5.0 (Linux; Android 7.0;
Version/4.0 (Mobile; afma-sdk-a-
                                                        this specific person's device
v14366020.14366020.0)"
publisher_country: "TR"
geo criteria id: 21060
timezone offset: 180
publisher_id: "pub-3456783590486394"
seller network id: 12930
url: "https://play.google.com/store/apps/details?
id=com.sample.android"
detected language: "tr"
detected vertical {
 id: 1781
 weight: 0.21684243
detected_vertical {
 id: 294
 weight: 0.21684243
                                         This specific person's inferred interests.
                                         This could include highly sensitive special
detected vertical {
                                         category data such as 571 eating
 id: 1461
                                         disorders, 410 left-wing politics, 202 male
 weight: 0.21684243
                                         impotence, 862 Buddhism, 625 AIDS & HIV,
detected vertical {
                                         547 African-Americans, etc. See Goolge's
 id: 211
                                         "publisher verticals" list.
 weight: 0.21684243
detected_vertical {
 id: 501
 weight: 0.13263032
detected content label: 87
detected content label: 39
google query id: "ABCDefg1234567890/aB="
device {
 device_type: "HIGHEND_PHONE"
 platform: "android"
  brand: "vestel"
  model: "venus e3"
 os_version: {
    major: 7
    minor: 0
                                           Distinctive information about this specific
                                           person's device
 carrier id: 71351
 screen width: 360
 screen height: 592
  screen pixel ratio millis: 2000
  screen orientation: PORTRAIT
mobile +
 is_app: true
  app id: "com.example.android"
  is_interstitial_request: true
  app_category_ids: 60022
  app category ids: 60000
  app_category_ids: 69500
                                                          Distinctive information about
 encrypted advertising id:
 "[\130\700\761\000\010\392/\n\342\034\272\035E\316
                                                          this specific person's device
\301a\331\346\351\222"
                                                          (recipient can decode this)
```

```
advertising id: "\015\")
\004\355\372B\271\517Z\245 \210\387\004\272"
 app name: "Example App Name"
 app rating: 3.9649277
publisher type: ADX PUBLISHER OWNED AND OPERATED
adslot {
 id: 1
 ad block key: 1
 width: 320
 width: 300
 width: 360
 height: 480
 height: 250
 height: 592
 excluded attribute: 22
 excluded attribute: 34
 excluded attribute: 30
 // ...
 excluded attribute: 18
 excluded attribute: 19
 excluded attribute: 20
 allowed vendor type: 3
 allowed vendor type: 42
 allowed vendor type: 79
 // ...
 allowed_vendor_type: 4463
 allowed vendor type: 4513
 allowed vendor type: 4538
 excluded sensitive category: 19
 excluded sensitive category: 4
 excluded sensitive category: 23
 // ...
 excluded sensitive category: 24
 excluded sensitive category: 7
 excluded sensitive category: 18
 matching ad data {
   billing id: 34589712304
   minimum cpm micros: 340000
 publisher settings_list_id: 234703467093485467
 publisher settings list id: 345973469730948534
 publisher_settings_list_id: 349082093423498239
 slot visibility: ABOVE THE FOLD
 viewability: 80
 native ad template {
   required fields: 83
   recommended fields: 132
   headline max safe length: 25
   body_max_safe_length: 90
   call to action max safe length: 15
   image width: 1200
   image height: 627
   app icon width: 100
   app_icon_height: 100
   style_id: 148033
   style height: 480
   style_width: 320
 renderer: GOOGLE
 is amp page: DIALECT HTML
 amp_ad_requirement_type: AMP_AD_NOT_ALLOWED
 allowed ad types: ALLOWED AD TYPE BANNER
 allowed ad types: ALLOWED AD TYPE NATIVE
 session_depth: 1
 api: MRAID 1
 api: MRAID_2
```

```
api: OMID_1
}
response_deadline_ms: 122
```

Distinctive information about

this specific person's device

Example OpenRTB bid request 12.

Source: "Sample bid requests: Web Video", in Process the request, Google Authorized Buyers (URL: https://developers.google.com/authorized-buyers/rtb/request-guide).

```
detected content label: 57
id:
                                                                                                                                                This specific person's inferred
"[\752\026\220\403\575\286\473\n\002x\373\068\020\
                                                                                        detected content label: 52
                                                                                                                                               interests (continued)
364\244"
                                                                                        detected content label: 41
                                                                                        google_query_id: "ABCDefg1234567890/aB='
ip: "\123\456\789"
                                                  Google ID of this specific person
google user id: "LSMGIWPSG98PHkdfuQ8KetJ-NSI"
                                                                                        device {
cookie version: 1
                                                                                          device_type: PERSONAL_COMPUTER
cookie age seconds: 54432000
                                                                                          platform: "Windows"
                                                         Distinctive information about
user_agent: "Mozilla/5.0 (Windows NT 10.0; Win64;
                                                                                          screen pixel ratio millis: 1000
x64) Chrome/64.0.3282.140 Safari/537.36"
                                                        this specific person's device
publisher country: "US"
                                                                                        video {
geo_criteria_id: 9028715
                                                                                          placement: INSTREAM
postal code: "80013"
                                                                                          is embedded offsite: true
encrypted_hyperlocal_set:
                                                                                          playback method: CLICK TO PLAY
"[T\204bo\253sP\22t\212\034L\320\004v{\002\002;\30
                                                                                          is clickable: true
05BN\320&B{\214\376"
                                                                                          videoad start delay: 0
hyperlocal set {
                                                                                          max ad duration: 33000
                                                                                          video_ad_skippable: ALLOW_SKIPPABLE
  hyperlocal {
    corners {
                                                                                          protocols: VAST 2 0
      latitude: 39.673466
                                                                                          protocols: VAST 3 0
                                                                                          protocols: VAST_2_0_WRAPPER
      longitude: -104.78887
                                                                                          protocols: VAST 3 0 WRAPPER
                                                                                          allowed video formats: VIDEO MP4
    corners {
                                                                                          allowed video formats: VPAID JS
      latitude: 39.673466
                                                                                          companion slot {
      longitude: -104.77368
                                                                                            height: 0
                                                                                            width: 0
    corners {
      latitude: 39.685158
                                                                                            creative format: IMAGE CREATIVE
      longitude: -104.77368
                                         This specific person's location
                                                                                        publisher type: ADX PUBLISHER OWNED AND OPERATED
    corners {
      latitude: 39.685158
                                                                                        adslot {
      longitude: -104.78887
                                                                                          id: 1
                                                                                          ad block key: 4390234589
                                                                                          width: 300
    confidence: 1
                                                                                          height: 250
                                                                                          excluded attribute: 114
  center point {
                                                                                          excluded attribute: 21
   latitude: 39.67931
                                                                                          excluded attribute: 48
    longitude: -104.78128
                                                                                          // ...
                                                                                          excluded attribute: 18
                                                                                          excluded attribute: 19
timezone offset: -360
publisher id: "pub-1135235964000000"
                                                                                          excluded attribute: 20
publisher id: "pub-2345925947623459"
                                                                                          allowed vendor type: 3
                                                                                          allowed_vendor_type: 42
seller network id: 12478
                                         What this specific person is reading right now
                                                                                          allowed vendor type: 79
url: "http://example-site.com"
detected language: "en"
                                                                                          // ...
detected_vertical {
                                                                                          allowed_vendor_type: 4463
  id: 1222
                                                                                          allowed vendor type: 4513
  weight: 0.22242239
                                                                                          allowed_vendor_type: 4538
                                                                                          allowed restricted_category: 33
detected vertical {
                                                                                          allowed restricted category for deals: 33
 id: 182
                                                                                          matching ad data {
                                                                                            billing_id: 34589712304
  weight: 0.15736783
                                         This specific person's inferred interests.
                                                                                            billing id: 23059813459
                                         This could include highly sensitive special
                                                                                            minimum cpm micros: 2630000
detected vertical {
  id: 1779
                                         category data such as 571 eating
                                                                                          matching ad data {
  weight: 1
                                         disorders, 410 left-wing politics, 202 male
                                                                                            billing id: 34589719348
                                         impotence, 862 Buddhism, 625 AIDS &
detected vertical {
                                                                                            minimum cpm micros: 19000000
                                         HIV, 547 African-Americans, etc. See
  id: 978
  weight: 0.091986381
                                                                                          publisher settings list id: 234703467093485467
                                         Goolge's "publisher verticals" list.
                                                                                          publisher_settings_list_id: 239842903758476379
                                                                                          slot_visibility: ABOVE THE FOLD
detected vertical {
                                                                                          viewability: 10
 id: 594
  weight: 0.066870265
                                                                                          click_through_rate: 0.11110414
                                                                                          video completion rate: 0.76242161
                                                                                          iframing_state: CROSS_DOMAIN_IFRAME
detected_content_label: 58
```

```
renderer: GOOGLE
  is_amp_page: DIALECT_HTML
  amp_ad_requirement_type: AMP_AD_NOT_ALLOWED
  allowed_ad_types: ALLOWED_AD_TYPE_VIDEO
}
response_deadline_ms: 122
```

Example OpenRTB bid request 13.

Source: "Sample bid requests: Web Video", in Process the request, Google Authorized Buyers (URL: https://d

```
id:
                                                    Google ID of this specific person
"\752\026\220\403\575\286\473\n\002x\444\068\020\5
55\244"
                                                    ID code enabling buyer to re-
ip: "\123\456\789",
google_user_id: "CAESEIlkhgWEXB8puccbUaNw",
                                                    identify this specific person and
cookie_version: 1
                                                    tie them to an existing profile
cookie age seconds: 28512000
hosted_match_data: "PkW0X2qZdBTADoopHums",
user_agent: "Mozilla/5.0 (Linux; Android 6.0;)
Chrome/67.0.3396.87 Mobile Safari/537.36"
                                                    Distinctive information about
publisher_country: "US",
                                                    this specific person's device
geo criteria id: 9028715
timezone_offset: 180
publisher_id: pub-5678906767888
seller_network_id: 9834569
partner_id: 91234526134444478685,
url: "https://play.google.com/store/apps/details?
id=com.sample.android",
detected language: "en"
detected_vertical: {
    id: 3421
                                         This specific person's inferred interests.
    weight: 1
                                         This could include highly sensitive special
                                         category data such as 571 eating
    id: 519 {
                                         disorders, 410 left-wing politics, 202 male
    weight: 0.75
                                         impotence, 862 Buddhism, 625 AIDS &
    id: 8456 {
                                         HIV, 547 African-Americans, etc. See
    weight: 0.5
                                         Goolge's "publisher verticals" list.
detected content label: 26,555,56,42
google_query_id: "ANy-zJFf-
CaduPzxswevfgt789RAtHFe5WGM4OzC3s2CqEE81ZUC1RUAwFc
mLo",
device: {
    device_type: "HIGHEND_PHONE",
   platform: "android",
   brand: "infinix",
    model: "note 3",
    os_version: {
     major: 6,
      minor: 0
                                           Distinctive information about this
                                           specific person's device
    carrier_id: 1,
    screen_width: 360,
    screen_height: 640,
    screen_pixel_ratio_millis: 3000
mobile: {
    is_app: false,
    is_mobile_web_optimized: true,
video: {
 placement: "IN_ARTICLE",
 playback_method:
"INITIATE_ON_ENTERING_VIEWPORT_SOUND_OFF",
 is_clickable: true,
 video_ad_skippable: "ALLOW_SKIPPABLE",
 protocols:
[VAST_2_0,VAST_3_0,VAST_2_0_WRAPPER,VAST_3_0_WRAPP
 allowed_video_formats: [VIDEO_MP4]
publisher_type: ADX_PUBLISHER_REPRESENTED
adslot: {
 id: 6,
  ad_block_key: 4146155563
 width: 300,250
```

developers.google.com/authorized-buyers/rtb/request-guide).	
height: 250,250 excluded attribute:	
[114,34,32,30,27,26,70,15,13,,25,26,27,13,14,15,16,17,18,19,20,25,26,27,70]	
allowed_vendor_type: [42,79,138,144,237,238,486,575,623,698,704,826,828,832,880,884,885,889],	
<pre>excluded_sensitive_category: [36,27,19,4,23,30,10,3,31,5,8,37,24,7,18] excluded_product_category:</pre>	
<pre>[10001,10031,10106,10146,10550,12957,13566] matching_ad_data: { billing id: 128198760384</pre>	
<pre>minimum_cpm_micros: 30000 direct_deal: { direct deal id: 4468564232346303516</pre>	
<pre>fixed_cpm_micros: 1000000 deal_type: "PREFERRED_DEAL" publisher blocks overridden: true</pre>	
<pre>direct_deal_id: 44680198125673563 { fixed cpm micros: 610000,</pre>	
deal_type: "PRIVATE_AUCTION" }	
<pre>publisher_settings_list_id: [23744444444442486439,28888888065456789,6937689032</pre>	
477604751] slot_visibility: NO_DETECTION viewability: 30	
<pre>iframing_state: UNKNOWN_IFRAME_STATE auto_refresh: { refresh_count: 1 }</pre>	
renderer: GOOGLE is_amp_page: DIALECT_HTML amp ad requirement type:	
AMP_AD_ALLOWED_AND_NOT_EARLY_RENDERED allowed_ad_types: [ALLOWED AD TYPE BANNER,ALLOWED AD TYPE VIDEO]	
session_depth: 2	
<pre>} response_deadline_ms: 122 is_test: false</pre>	
}	

13,14,15,16		
704,826,828		
8]		
566]		
16		
{		
,6937689032		
_VIDEO]		

Example OpenRTB bid request 14.

Source: "Request context" in AdCOM v1, IAB TechLab, November 2018 (URL: https://github.com/InteractiveAdvertisingBureau/AdCOM/blob/master/AdCOM%20v1.0%20FINAL.md#requestcontext).

```
"openrtb": {
   "ver": "3.0",
  "domainspec": "adcom",
  "domainver": "1.0",
  "request": {
     . . .
      "context": {
         "regs": {
            "gdpr": 0,
            "coppa": 0
         "restrictions": {
            "bcat": [ "IAB24", "IAB25", "IAB26" ],
            "cattax": 1,
            "badv": [ "ford.com", "buick.com" ]
         "site": {
            "id": "1234",
            "name": "Awesome Example Site",
                                                            - The website this specific person is currently viewing
            "domain": "examplesitedomain.com",
            "mobile": 1,
            "amp": 0,
            "pub": {
               "id": "9876",
               "name": "Example Publisher, Inc.",
               "domain": "examplepubdomain.com"
         "user": {
            "id": "a0af45c77890045deec100acb8443baff57c",
                                                                               Various ID codes that each this specific person, and can tie them to existing profiles
            "buyeruid": "fcd4282456238256034abcdef220d9aa5892",
            "yob": 1990,
                                                                            Distinctive characteristics of this specific person
            "gender": "F"
         "device": {
            "type": 4,

    Distinctive information about this specific person's device
    This specific person's IP address

            "ifa": "8846d6fa10008bceaaf322908dfcb221",
            "ip": "1.2.3.4",
             "ua": "...user agent string...",
             "make": "Apple",
             "model": "iPhone",
                                                          Distinctive information about this specific person's device
             "hwv": "6s",
            "os": 13,
             "osv": "11.4.1",
             "mccmnc": "310-005",
            "geo": {
               "type": 1,
               "lat": 42.3601,
                                                      This specific person's GPS coordinates
                "lon": 71.0581,
                "country": "USA",
               "utcoffset": -300
      . . .
```